

DP-302060

VARIABLE FLOW REGULATOR
FOR USE WITH CATALYTIC CONVERTERS

ABSTRACT OF THE DISCLOSURE

A variable flow regulator assembly comprises a first stationary exhaust pipe, a second stationary exhaust pipe concentrically disposed within the first stationary exhaust pipe, and a movable exhaust pipe concentrically disposed between the first and second stationary exhaust pipes. The first stationary exhaust pipe includes one or more interference tabs concentrically and circumferentially fitted about its interior surface. The movable exhaust pipe includes one or more interference tabs concentrically and circumferentially fitted about its exterior surface. The interference tabs complementarily interact and restrict the movement of the variable flow regulator so that the flow maldistribution of the exhaust gas stream entering the catalytic converter can be variably controlled.